

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of requesting and processing a plurality of objects from a server, comprising:

opening a session with at least one server;

searching in a ~~data network~~ the at least one server for an information element based upon a search criteria after the opening of the session with the at least one server;

receiving from at least one server search results displayable on a web page comprising a list identifying occurrences of the information element, wherein at least some of said occurrences of the information element identify objects;

generating for ~~each~~ at least two identified ~~object~~ objects, a ~~request~~ requests to the at least one server for obtaining ~~respective object~~ the at least two objects;

packing the plurality of requests for the ~~plurality of~~ at least two objects into a packed request message and transmitting the packed request message to the at least one server;

receiving a response message from the at least one server, the response message containing the ~~plurality of~~ at least two objects packed into the response message; and

ending the session with the at least one server after the receiving the response message;

and

automatically unpacking the ~~plurality of the~~ at least two objects contained in the response message for displaying on the web page.

2. (currently amended): The method of claim 1, further comprising decompressing the ~~plurality of~~ at least two unpacked objects.

3. (currently amended): The method of claim 2, wherein the decompression of the ~~plurality of~~ at least two unpacked objects is performed automatically in response to receiving the response message.

4. (canceled).

5. (canceled).

6. (currently amended): The method of claim 1, further comprising outputting the ~~plurality of~~ at least two unpacked objects in a ~~predetermined~~ second order indicated in the response message, wherein the ~~predetermined~~ second order is not dictated by a first order of receipt of the objects.

7. (currently amended): The method of claim 1, further comprising displaying on a browser the ~~plurality of~~ at least two unpacked objects in a ~~predetermined~~ second order provided in the response message, wherein the ~~predetermined~~ second order is ~~not~~ different from a first order of receipt of the objects.

8. (currently amended): A method of transferring a plurality of objects from a server to a client, comprising:

receiving a request from the client for the plurality of objects, wherein the plurality of objects are occurrences of an information element provided as a search criteria in a data network and wherein the request, displayable on a web page, comprises a plurality of requests for the respective plurality of objects;

retrieving the plurality of requested objects from one or more object stores;
automatically packing the retrieved plurality of objects into a response message; and
transmitting the response message to the client, wherein the response message comprises an indicator of ~~the~~ a first order in which the packed objects are to be displayed,

wherein the first order is not dictated by the order in which the plurality of the objects are transmitted to the client.

9. (original): The method of claim 8, further comprising automatically compressing the retrieved plurality of requested objects prior to packing said objects into the response message.

10. (original): The method of claim 8, further comprising automatically compressing the response message prior to transmitting the response message to the client.

11. (canceled).

12. (canceled).

13. (currently amended): A client processor, comprising:

a communications module configured to open a session with at least one server,
configured to receive a response message from the at least one server, the response message
containing a plurality of packed objects, wherein the plurality of packed objects are occurrences
of an information element provided as a search criteria in a data network, ~~and~~ configured to send
a request message to the at least one server after opening the session with the at least one server,
wherein the request, displayable on a web page, comprises a plurality of requests for the
~~respective~~ plurality of objects, and configured to end the session after receiving response
message;

an unpacking module configured to automatically unpack from the response message the plurality of packed objects; and

a browser coupled to the unpacking module, configured to display on the web page the plurality of unpacked objects to a user as search results.

14. (original): The client processor of claim 13, further comprising a decompression module configured to decompress the plurality of unpacked objects.

15. (currently amended): The client processor of claim ~~13~~ 14, wherein the decompression module is configured to automatically decompress the plurality of unpacked objects in response to receiving the response message.

16. (canceled).

17. (canceled).

18. (currently amended): The client processor of claim 13, wherein the unpacking module is configured to output the plurality of unpacked objects to the browser in a ~~predetermined~~ second order indicated in the response message, wherein the ~~predetermined~~ second order is not dictated by a first order of receipt of the objects.

19. (currently amended): The client processor of claim 13, further comprising displaying on the browser in the web page to the user as the search results, the plurality of unpacked objects in a ~~predetermined~~ second order provided in the response message, wherein the ~~predetermined~~ second order is ~~not different from a first order of receipt of the~~ in which the plurality of the packed objects are unpacked from the response message.

20. (currently amended): A server processor, comprising:
a communication module configured to receive a request message from a client processor for delivery of a plurality of objects, wherein the plurality of objects are occurrences of an information element provided as a search criteria in a data network and wherein the request message, displayable on a web page, comprises plurality of requests for the respective plurality of objects;

a request processor configured to unpack the requests for the plurality of objects from the request message;

an object access module configured to retrieve the plurality of objects requested by the request processor;

an object packing module coupled to the object access module and configured to automatically pack the plurality of objects retrieved by the object access module into a response message; and

an object delivery module coupled to the object packing module and the communication module and configured to output the response message containing the plurality of packed objects to ~~a~~ the client processor,

wherein the response message comprises an indicator indicating a ~~predetermined first~~ order in which the packed objects are to be presented, the first order different from the order in which the object packing module packs the plurality of the objects.

21. (original): The server processor of claim 20, further comprising a compression module configured to automatically compress the retrieved plurality of requested objects prior to packing the plurality of objects into the response message.

22. (original): The server processor of claim 20, further comprising a compression module configured to automatically compress the response message prior to transmitting the response message to the client.

23. (original): The server processor of claim 20, wherein the packing module is configured to pack the plurality of objects into the response message in a designated order.

24. (canceled).

25. (currently amended): A computer-readable medium of instructions for requesting and processing a plurality of objects from a server, comprising:

program operations for opening a session with at least one server;

program instructions for searching in ~~a data network~~ the at least one server for an information element based upon a search criteria after the opening the session with the at least one server;

program instructions for receiving from the at least one web server search results, displayable on a web page, comprising a list identifying occurrences of the information element, wherein at least some of said occurrences of the information element identify objects;

program instructions for generating for ~~each~~ at least two identified object objects, a ~~request~~ requests to the at least one web server for obtaining respective object;

program instructions for packing the plurality of generated requests for the ~~plurality of~~ at least two objects into a single request message and transmitting the packed single request message to the at least one web server;

program instructions for receiving a single response message from the server, the response message containing the ~~plurality of~~ at least two objects packed into the response message; ~~and~~

program instructions for ending the session with the at least one server after the receiving the single response message; and

program instructions for automatically unpacking the ~~plurality of~~ at least two objects contained in the response message.

26. (currently amended): The computer-readable medium of instructions of claim 25, further comprising program instructions for decompressing the ~~plurality of~~ at least two unpacked objects.

27. (currently amended): The computer-readable medium of instructions of claim 25, further comprising program instructions for outputting the ~~plurality of~~ at least two unpacked objects in a ~~predetermined~~ second order indicated in the response message, wherein the ~~predetermined~~ second order is not dictated by a first order of receipt of the objects.

28. (currently amended): A computer-readable medium of instructions for transferring a plurality of objects from a server to a client, comprising:

program instructions for receiving a request from the client for the plurality of objects, wherein the plurality of objects are displayable on a web page as search results and are occurrences of an information element provided as a search criteria in a data network and wherein the request message comprises a plurality of requests for the respective plurality of objects;

program instructions for retrieving the plurality of requested objects from one or more object stores;

program instructions for automatically packing the retrieved plurality of objects into a response message; and

program instructions for transmitting the response message to the client,
wherein the response message comprises an indicator indicating a ~~predetermined~~ first order in which the packed objects are to be presented,

wherein the first order is not dictated by the order in which the plurality of the objects are received by the client.

29. (original): The computer-readable medium of instructions of claim 28, further comprising program instructions for automatically compressing the retrieved plurality of requested objects prior to packing said objects into the response message.

30. (canceled).

31. (currently amended): A method of transferring a plurality of objects from a server to a client, comprising:

receiving a request from the client for the plurality of objects, wherein the plurality of objects are displayable on a web page and are occurrences of an information element provided as

a search criteria in a data network and wherein the request message comprises a plurality of requests for the respective plurality of objects;

retrieving from an object store a packed object having a plurality of objects corresponding to the requested plurality of objects, wherein the plurality of objects are packed into the packed object prior to receiving the request for the plurality of objects and wherein the response message comprises an indicator of a predetermined order in which the packed objects are to be presented; and

transmitting the packed object in a response message to the client.

32. (original): The method of claim 31, wherein the retrieved objects are packed into the response message in a designated order.

33. (canceled).

34. (currently amended): The method of claim 1, wherein the server and a client communicate with each via an HTTP module, wherein the client comprises a browser for receiving the search criteria and for outputting the search results on the web page and wherein the ~~plurality of~~ at least two objects are image objects.

35. (currently amended): The method of claim 1, wherein the ~~browser is a web browser~~ web page is displayed on a web browser and the ~~plurality of at least two~~ objects are images, and wherein a plugin module that operates with the web browser is provided in a client and wherein the plugin module automatically ~~unpacking~~ unpacks the ~~plurality of at least two~~ image objects contained in the response message, and provides the at least two unpacked image objects to the web browser for display on the web page.

36. (currently amended): A method of requesting and processing a plurality of objects from a server, comprising:

opening a session with at least one server;

receiving from the at least one web server request results comprising a list identifying occurrences of ~~the an~~ information element after the opening of the session with the at least one server, wherein at least some of said occurrences of the information element identify image objects and wherein the request results are displayable on a web page;

generating for ~~each~~ at least two identified image ~~object~~ objects, ~~a request~~ requests to the at least one web server for obtaining the respective image object;

packing the plurality of requests for the ~~plurality of at least two~~ objects into a packed request message and transmitting the packed request message to the at least one web server;

receiving a response message from the at least one web server, the response message containing the ~~plurality of at least two~~ objects packed into the response message; ~~and~~

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STATEMENT OF SUBSTANCE OF INTERVIEW
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ending the session with the at least one server after the receiving the response message;

automatically unpacking the plurality of objects contained in the response message.